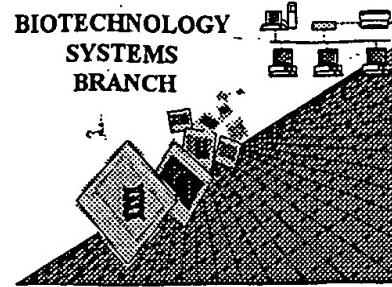BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _O 9/888,233_

Source: _OIPE_

Date Processed by STIC: _7/7/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino
Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length — Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0
"bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences
(OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences
(NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's
(NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213>
Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (See 1.823 of Sequence Rules)

12 _____ PatentIn 2.0
"bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC – Biotechnology Systems Branch – 06/04/2001

OIPE

RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

Input Set : A:\Vblt007.app
Output Set: N:\CRF3\07062001\I888233.raw

Does Not Comply
Corrected Diskette Needed

p.4

```
 3 <110> APPLICANT: BLAKELY, RANDY D.
 4        NASS, RICHARD
 5        MILLER, DAVID M.
 7 <120> TITLE OF INVENTION: ASSAY FOR TOXIN INDUCED NEURONAL DEGENERATION AND
 8        VIABILITY IN C. ELEGANS
10 <130> FILE REFERENCE: VBLT:007US
11 <140> CURRENT APPLICATION NUMBER: UNKNOWN
12 <141> CURRENT FILING DATE: 2001-06-22
14 <160> NUMBER OF SEQ ID NOS: 2
16 <170> SOFTWARE: PatentIn Ver. 2.1
```

p.4

ERRORED SEQUENCES

```
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 10851
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
43 <400> SEQUENCE: 2
44 aaaggcgaga ctgaatatgt ttaatagaga catgacagat attttttaaa agacacgaat 60
45 ccaaattcta gagatgaaaa ccacaatgtc tcagatgcaa aatgcactgg ttgagaggag 120
46 gggtggattc aacatctcag aagaaaagga tacatgaact tgaagacata gatggcagtg 180
47 caaactgttc aaaatgaaat aaagaaaaaa gacaaaaaaa tgaaccaagc atcagagaac 240
48 tgtgggactt caagccacct aatatgcaag ccataggaat cctcaaaaca gatcatgtct 300
49 aaacaatgtc attttatgat agcatcagtt caccaaaagg acaaatgttt atgtacctaa 360
50 taacatagct tcataatgaa ttcggcaaaa actgatagaa ctgcaaggag acatagagca 420
51 gttcacacaa ttatacttgg agatttcaat acctctttcc caatagttga tagaacagat 480
52 acacagaaac ttttaaggat acagaagact tcaaaaacag tacgaactaa catgacctat 540
53 ttgatattta tacaataatt catccaataa tagcagagtg cacattcttt tcaaatgcat 600
54 gtgaaaagct taccaagatc gaccacagtc cagaccataa aattcccttt agggattcag 660
55 gtcatgtaaa gcaagttctc caacaaagag gcaaataaat ttgataccaa aatgaaaaat 720
56 acatttggca aaaaataaag aagcatatcc agacaatctt ctaatatttg gaaactaatc 780
57 acatatctaa ataacaatgg gtcaaagagg acatcaaaag ggaaatcaga aaatattttg 840
58 aactgaatga aaacaaaaca acatatcaaa ccttttggaa tttggctaaa tcagaactta 900
59 gaagaaaatc tagacatgaa gcctgcctca gaaaggaata atgatgaaaa attgatggca 960
60 gcctccaccc gaagaaatcc catgcgggac tttggaagaa attgaaaagt tgattccaaa 1020
61 attcatatga aaaagcacag gaccgagaat atgcaaaaca actttgaaaa tgaacaaagt 1080
62 tgtctgactt acattacctg atttaaaaat gtattacaaa aggaccataa tgaagatagt 1140
63 gccatttaa tctcctcagg ctgccacaac aaaatacacc agatttgggg gcttaacagc 1200
64 agacatttgt ttctcacagt tctggagact ggaaatccaa catcaaggca gctgattcag 1260
65 ttcctggtga ggcctctctt cctggcttgc agatggccgc cttcttactc tatcttcaca 1320
66 tggcagaaag taaaatggag agagcttcct cttcttataa ggccacagtc ctcctgggtt 1380
67 atgaccccac ccttacaatt taatttaacc taatcacctc ctaaagtccc tatcctccag 1440
68 ataaagtcac cttgcggggg ttatggcttt aacctatgaa tttgggggta aacaattcag 1500
69 tccacagcaa gtgtggtatt agcatcaaaa tggattaaca gatcataaaa cagggagccc 1560
70 agaaataaac ccacacacat acatacaact gactttcaa caaaggtgca aaagcaactc 1620
71 agcagaacac tgaacaactg gctcttcgga ggtaaagtgg tgaacttcaa ttggtgtctt 1680
```

RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

Input Set : A:\Vblt007.app
Output Set: N:\CRF3\07062001\I888233.raw

```
 72 acaccaagct agtttaaaaa tgcattctat gtgtaaatat gcaatctata attttaaaaa 1740
 73 gtttagagga aaacttagga gaaaatcttg atgatcatga atttggtaaa gatttcttaa 1800
 74 atacaacact aaaagcagga tttgtgaaag aaaaatggat aaaattcgact tcatcaaaat 1860
 75 taataactct tctctgaaag aatctattaa gagaatgaaa agacagtcca agactgggaa 1920
 76 aaatatttgc aaagtaccca tctgataagg gactggtatc cagaatagta aagaactctc 1980
 77 aaagctcaat taaacaaccc aaaggtgcaa aagatttgaa cagacactta acacgaagtg 2040
 78 gcactgatgc agctaacaca tgagaaattg ttcaaagatc acgctcatta gagcagtata 2100
 79 ggagatatta ctgtaaacat attaggatgt ctaaaattta aaagactgac catactaagt 2160
 80 attcattaga atatgaagta actaaaatta tcatacactg ttcatggaaa tataaaatga 2220
 81 tacaactact ttgcaaaaga atttaacagt ttttaaaaaa atagttaaac atatatctta 2280
 82 ccaaatgacc cagccattcc acaactaagt acttcttacc taccccaaag taatgagagc 2340
 83 ctatgttcaa agacttgcac acaaatgttc atagtagctt tatttgtaac agccagatgt 2400
 84 ccatcaatag gcagatggaa aagccaagta catcatatcc catatccaca caatggatac 2460
 85 tacaaataac taaaagggaa ttaactgccg atgcaatgat gtggattctt ctcaaatatg 2520
 86 ctgaatgcaa aagaacagac ccagaaaaca gtacttactg tataattcta tttatataaa 2580
 87 attctattaa aaacacattg ttctgtaatc atagaaaaca aatcattcca ccattttggg 2640
 88 aggccaaggc gagcttatca cttgaggttg ggagttcaag accagcctgg ccaacatagt 2700
 89 gaaaccctgt ttctactaaa aatacaaaaa ttagctgggt gtggtggcgg gcatctgtaa 2760
 90 tcccagctac ttgggaggct gaggcaggag aattgcttga acttgaggag gcaaaggctg 2820
 91 cagtgagctg agatcgtgcc actgcactcc agcctaggtg acagagtgag actccgtctc 2880
 92 acaaaaagaa aaaaaaaaag agcaaatcag tggttgcctg gggatgggaa gaggtaaaga 2940
 93 gacacagaca gagggaagtc agcgagggag gagcaccgcc atcatcttct gtgtgatcgc 3000
 94 gttgccatga ccccatcagt cactcaccaa atcgtacact tggaatattg catatccatt 3060
 95 acacctcagc aaggctgttt ttaaaaagac acaaatgccg agataattac agaaaaaaag 3120
 96 tccaattagt tttgttagga tggtggaatc atgaaaggca tctcctaggt cctccaatgt 3180
 97 tgttcttttt caagattctt ttggctactc taggtcaccc acatctccaa acacatttta 3240
 98 gaaccagctg gttaatttct tcaaaaaagc aagttagaat tttgattgag attgcattga 3300
 99 atctgtatgt caatttatga agaactgaca tctcattaat attgagcctt tcagtcataa 3360
100 acatacacac tcctctgctt gtctagactt caaaagtttc tcacagcaat ggattctagg 3420
101 ttttcggtgc acaagtctcg gatacgttta tccccaagca tttttgtttcg gatgctattg 3480
102 taagtgaaat tattttaggt tttattttag aattgtttgc tgccagtaca tagaaataca 3540
103 attggttttc atcagatccc atggccttgc taaattcatt tataaattct agtagttttt 3600
104 tttgtaaatt cctcaagatt ttctacaaac atgaaatcta ccaagaaaaa tcttgtcatc 3660
105 aatatttcaa ttttttttgaa gcctcctgct ctgtagccag accattcgcc actgcctatg 3720
106 actacattta gggccatcct ctggccatcc ctccttggct agatgatgaa cctgatgcat 3780
107 ggtttgaata tgtgcccact gggaagcttt ctttcactgg tctttcacag aaggccatga 3840
108 tgacacagcc tttcactttc tggtgggggc agtgtgctgt gtatagacac atgtaatcca 3900
109 ggccccaacg catgcatttt ctccgttcaa tgtcataaga aactctcatg tagccagagg 3960
110 tctgggttaa ggaagcggtc tccatgcagc aagaatgggt gcttgttcat ggaacttacc 4020
111 gcgcttccag acttgctcaa gccttgtgtc gtaaacattc cactgaggac ggcaggatgc 4080
112 tgtatacaca acctctgtgg gtccgataac aaatagcttc tgctgggccg ctcagcttct 4140
113 atggtaacag agctccctga gtttctgcta tggctcaggg ctgctcttac tcaaaaggag 4200
114 aggacgtatt ttcaggagag cgttcagctc ttaattcaac tgttattttc tgcgctgcct 4260
115 acaacatctc cgtctgccac agaccctcca attcccactg gttctgccag atcagtgttc 4320
116 tcaaagtgtg gttcctgggc cagcagtgtc agtgtcacct gagaactttc tagaaacgca 4380
117 ggtcctcagg tcccacctca gacctactga acctgcgtct ctaaggatgg agcgaggtga 4440
118 tctgtgcctc ctatgcatgt aaaggtttat gtaggtgact gtgatgccag ctaaagtcgg 4500
119 agaacaacac cagattgtgt ggcctcctgg ggcagcagtt tgcccatcca gaccagcagc 4560
120 agaatctttc ttactctggg ccctactcaa aaccaaacgc tttatgaaga acacaaaaca 4620
```

RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

Input Set : A:\Vblt007.app
Output Set: N:\CRF3\07062001\I888233.raw

```
121 ggccagagaa gcatccccga gtgtcttgca cctcaccttg caaatcggaa gagcctcacc 4680
122 aggtatgata cttctttctt agtggtagtc ttgcttgcca gagacagcgt gttttctttc 4740
123 attttggata tatattttga ccaatcagac caatggaccc acagaaagtt caccaaggtg 4800
124 gcaggttttg aaaatgtgtt attttctctt tcaattttta gcaagcacgt gtcttaccaa 4860
125 ggcatcttgg cattttttcat tttttgctcc ccaggttgat tcagcctgat gtcatcagtg 4920
126 tggcagacca ctgtgacatg ctgtgcagtg gcaagaccat caagatgtct gtgactaaaa 4980
127 ccagcagtga gccggaaaat gatacagctc tgagagaaga cattggaagt gtactgctgt 5040
128 ccctgccatg cgagaggaaa ctatcttcct cctgaggtgg cccccgggga gggcacaggg 5100
129 gtgcagcagt gagcagggcc tcctgcctgg agccagcgcc ttccatcatt ctcagaacct 5160
130 ggacagacaa ggtctgggat ctgacctccc acacccctgg acaaaagcca ctcctgccta 5220
131 ctggtcccct caccccttgcc ctccccaagc cccctacccc cagggccttc ccagcaccag 5280
132 tgagagtcag ggtctttaaa gtctgagctg ggctccctgg gacttcctct gaaagcacac 5340
133 aggacaccct caatatagta aatacgcagg caggtaaatg actgtcatct cactgccact 5400
134 gtccttgtcc cctctcagat acagcactca tggggggagc atccacgctg tcttccaaat 5460
135 caggcgagac acggcgcaac atccagcact gagggcctcc caggaggcag cacccaagga 5520
136 ggggggggacc cgtggggcaa ggttgctttg gagacagcag tcagtggcca ggggctcctt 5580
137 gtgggctctg cagctgcggt cccagccagt ggggagaggt gccgagcatg ggcaggaagt 5640
138 gcagaggcag gggggctcca cctgcctgca cccaacgccc tgagcccaca gcagccatag 5700
139 cagcaaccac aatgataata aagccgactt ggcatttagg gcaaagttcc aagcatgcaa 5760
140 aggtcggccg tttgatcagg tctgatcagc tcataaccac actgcttcta cctgcacagt 5820
141 tcacggagca ttcctgttgt gggaggatgg agacccatgg gtctggcagc tgcgctttct 5880
142 ctgtgtcatc catgagccca actcccgcag ttagtttgtt cttagagcac ccaaagctcc 5940
143 tttatcctaa ttcatgtggt tggaagtcgg ggttgaggca ggggtggagg aatgctcttt 6000
144 gtcttggcag agtgcaggtt acatgcgtgt gatcactcag tggcccctcc tgagtgtggc 6060
145 aggtgcattc tctgtgtgct actggtcagt aaggatgtgg ctgcctggat ctgtgtgacc 6120
146 tctagtccct gcaccttcct gcctgtaccc tgttagcttt gggtcacaat tctgcgctcc 6180
147 tgcagcgctt gcaatccctt cccaaacgct gtttgcctgt gtgttgtttt gtttcgagac 6240
148 agggtctcat cctgtggccc atggcgcaat ctcagctcac tacaacctcc acctcccagc 6300
149 ttcaagctat tctcccacct ctgcctcccc agtagctggg actacaggtg tgggccacca 6360
150 tgcctggcta attttttttt tcaaagtcag ggttttgcca tgtggcccag gctggtctca 6420
151 aactcctggc ctcaagagat cctccttcct cggcctccca gagtgctggg attacaagcg 6480
152 tgagccctca ctcctggcct gtgtatttttt aatatacctg aacatccatt ctctctgtgt 6540
153 gtttttattta acagcctccc ttagtcacct gcaaagtctt ttccttggga gactgtttcc 6600
154 tcaaccctgc tgctctgggg ccaagccctg gctcactcct ttttattgaa acctgtgcca 6660
155 tggagataat aggggtagag agatcccttc tgtggcagcc actgacacac tacagcttcg 6720
156 aggtggcaca tcccctctc ctgaagtccc ctcacctccc tggcgatgaa gtcccacccc 6780
157 tgatgggagg tggtgtcagg aggccttcag gtggtcaggc caggagggct ccaccctgag 6840
158 gaatgggacc agtgccctca taaaacagac cccggagagc tctccccagc ccctagcgtg 6900
159 gggagataca gggagagaac tgtctgcaac cccgaagcgg ccctcaccag acacagagtc 6960
160 ggccaggcct tggcctcggg acaccggaac cgttagaact gaaggcttct gtgtgagccc 7020
161 ccaggctgtg gagtttttttg tcatggcagc cccagggggt cactaggctc ccacttgatt 7080
162 ccaactcagc gtgaagtcac agccctgagt gccttctgcc tgggtgccag ccccggagcc 7140
163 ggggagcggg ggagcggggg gcggggaggg gagtggtggt gtgcggggag tgcggggcgg 7200
164 gcgcagggg tggggcaccg cgctgcgggc gggtactgcg gagtcaggca ccaagggtcc 7260
165 ctgcctccct cactgctgag cgcgggctgc aggctggaat ggctggagag ccccagggct 7320
166 cgcctggacg cccagggcag ggtgctcacg ggagcatcga gggtacacgg ggaggaacgc 7380
167 cggggttcgg gcgaccctag gggcgacgca cagagctggg cgcggccact cacctcggtg 7440
168 ccttctaagg acctggacat cctgggcctt ggcggcctgg gggctccatt cctccgcgcg 7500
169 ctgaatggaa gaaatcccgc ccgggcatct cggaaggaaa gcctcggagt ccattcggca 7560
```

```
170 ctggagccgg ataccaaccg ccaggctttc caggcccgtc ccgggaaatg ttttcttagg 7620
171 cgagtgcgag gcgggccctt cggttccgat gcaggcgcaa tagatgccgg caaggcgggg 7680
172 ataggctagg ggacctcggt cgcctcgagg tcgcggagac cccaaggcca cggaaggacc 7740
173 cgcgtctccg cagcccgcac gccgggaagc gtgcagagtc ctcggcgggg tcccgagccc 7800
174 gctggtcaga gcgtggagcg gcggggtggg agggacgtgg tccccagagc gcggggccac 7860
175 cgtaggggcc cctgatgggg agggagggaa gggtcggccc gacggggtcc cagcagttcc 7920
176 ccgcgcgcag ccgctcggct ccctccccgt ccagctggga gccgccagcc ctgggcgtcc 7980
177 gaagatagcg ggtgcccggg gcagccccca ggggtgcggg cgagggcgca gggccggccc 8040
178 agacagttcc cgcgtggaag gcgcccgtct agatccgcga cgtctcggac ccccaggccc 8100
179 ccgcaccccg tgtccgaggc tccgggacgc gcaggacagt ggagccgtgg ccgccgcttg 8160
180 ctcccagcca tctgcgtccg ggaagcgggg gcggggcgc ggcccgggga ggtgaggagg 8220
181 aggagccagg acgcgagggc gacccc gtcc gcgggagggc ggggcggggc ggaccctgtc 8280
182 tactggataa gacccgaggc cgaagctgag accgcccagc gctgcggagc gggaggggag 8340
183 cttcgcggaa cgctctcggc gccaggactc gcgtgcaaag cccaggcccg ggcggccagg 8400
184 tgaggccagc gtcgctcgcg gcatcggggc gccccgctcc ttccgcagac cccgaagtgg 8460
185 ggcgcagggg cggggggccgg gggccgggca cagtctgggg tccccgcgtc ccgcagaccg 8520
186 cgccgtctcc aaagtcgcca acagtcgcgg gtgccgagcg cccccccgata gcgccacatg 8580
187 ggaccctgag gccgtccgag gcgcgaggag ggtgcagggc tgccctggc cccgctccaa 8640
188 gctcagaacc gggtgggcac ctggtgcagt caccggctta agggacgcgt gggtgtctat 8700
189 ggctgtgact cgggggtctg gtttcttctc gtggaattaa cctactaagg gtgcggcgca 8760
190 tcccagatcc gatcggaatg ggttttgtac accgccgctc catctcgcgg gggctttgtc 8820
191 tgtgttgggg gtggtggcgg gcgccggctg cgcgctggtg ctctgggcaa ggcggggaag 8880
192 ccgggcgagg actcgccagg cagcgccgct tcttgttctg ggcgcggtga ggaaggacgc 8940
193 tttctaacgg gccacatttt gctgtgtaga ccaaaatcgc ctctgaggcc ccgcgttcag 9000
194 gagcggggtc aggtggcccc agggcggcgg cggcttgccg gaaactcgcg agctccgcac 9060
195 ccgacgccct ctcccaacgc ggcctcctgc tcgcgccgcg gaaccccttc gtcgggtgtt 9120
196 ttacccaccg gaggggtcgt gccggttgag gttgtcaccg ggtgcgtggc atagctcgtg 9180
197 atagctcatg ggtgaggttt tgtgcaaact tggatgcagg gaaagttgcc tgttagagcc 9240
198 tccacctgcg acctgcttca gtcgttgtgt gtgtgtgcgc acctgtgtga gtgtgagtgt 9300
199 gtatgtgtgt aagtgtatgt gctcgcctgt gtgtgtgtga gtgtgtatgt gtgtttgtga 9360
200 gtctgtgtgt gtctgtgtgt ctgtgtgtgc gtgcgctcga ctgaaacacg ctgctgctgg 9420
201 atccaaatga cagaagtcgc cctggctggg gcggtgtaga cgctcctgct ctcctgctca 9480
```
E--> 202 gcgttgcagg ggggtttatg taccgtttgg acangatttc ccgggttacc ctgctggccc 9540
E--> 203 aagaactaat tcccgcnang aaaccctgtc catcctccgc ccaactctct cacgcggggt 9600
E--> 204 ggtgccacct gccctaagtg gatgtggctt gtacanacac tttttgagga agcagttgtg 9660
```
205 atggttatgt ctaaactttc tttaacagtg gctgattttg ctttatataa attttgttct 9720
206 ttattaactg agtataaaca atacaagccc aggcttggtg gctcatgcct gtcatctcag 9780
207 cactttggga ggctgaggca ggaggatcgc ttgagaccag gagttcaaaa ccagccttgg 9840
208 caacaatagt cagaccctgt ctctacaaga aaacaacaac aacaacaaaa aaacacacac 9900
209 aaaaataact tagccggtgc tgtggtgcac acctgtagtc tcagctgctc aggaggctga 9960
210 ggtgcaagga tcacttgaac ctaggaggtt gaggcagtga gttgtaatca caactgtatt 10020
211 ccatcctggg tgacagagcg agacctcatg ttaaaaaaga aaaaaaaag aaaaagaat 10080
212 acagatgaac agtcatgaag acattattga atgctcttag aagattgtaa aattgctctc 10140
213 tggaagtgtg ggggaaggtg gaagtgatat ccatgcattg ttagtagaaa gccacgctag 10200
214 agctcacaca gccttgcact ttgataggag tggggagggg tgcagggaa ggaggagcaa 10260
215 accagagtgt ctgtcttgag gcctccatgg gccagtgccc cagccctgtg gtgagggctg 10320
216 gcattcccag ctcccgtgcc ccagctgtac catctccagg cgtgagaagc acccatcctt 10380
217 tcccagagga atgcccgtga atgcttcggg gtctgccatc cgcaacaggt atgtccctag 10440
218 ccctggctga tgaattgttg cgttcctgtt gtgtgtttat ttttcatatt ggctgaagac 10500
```

*see item 9
on Error
Summary
Sheet*

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/888,233**

DATE: 07/07/2001
TIME: 12:52:58

Input Set : **A:\Vblt007.app**
Output Set: **N:\CRF3\07062001\I888233.raw**

```
219 caagagggaa gaagcacaga attctcaact cccagtgtgc ccatgagtaa gagcaaatgc 10560
220 tccgtgggac tcatgtcttc cgtggtggcc ccggctaagg agcccaatgc cgtgggcccg 10620
221 aaggaggtgg agctcatcct tgtcaaggag cagaacggag tgcagttcac cagttccacc 10680
222 ttcaccaacc cgcggcagag ccccgtggag gcccaggatc gggagacctg gggcaagaag 10740
223 atcgatttct cctgtccgtc attggctttg ctgtggacct ggccaacgtc tggcggttcc 10800
224 cctacctgtg ctacaaaaat ggtggcggta atcccatctc agcttccctg a         10851
```

VERIFICATION SUMMARY   DATE: 07/07/2001
PATENT APPLICATION: **US/09/888,233**   TIME: 12:52:59

Input Set : **A:\Vblt007.app**
Output Set: **N:\CRF3\07062001\I888233.raw**

L:11 M:283 W: Missing Blank Line separator, <140> field identifier
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:202 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
M:340 Repeated in SeqNo=2